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APPLICANT : CANON INC;

INVENTOR : SHIBAZAKI HIROMI;

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TITLE : RECORDING MATERIAL

ABSTRACT : PURPOSE: To provide a light-transmitting recording material for ink jet recording which is excellent in ink receptivity and clearness of recorded images, by providing an ink-holding layer and a microporous ink-permeable layer and providing a particulate material on the ink-permeable layer.

CONSTITUTION: The ink-holding layer provided on a base is formed mainly of a hydrophilic material capable of receiving a water base ink e.g., polyvinyl pyrrolidone. The ink-permeable layer provided on the ink-holding layer is a thin microporous layer of a natural or synthetic layer, and when ink droplets are adhered to the surface thereof, it rapidly enlarges the area of contact, thereby accelerating the reception of the ink by the ink-holding layer. The ink-permeable layer may be provided by, for example, a method wherein a material capable of generating a gas by reacting with water content at the time of forming a thin layer, e.g., hydraulic polyurethane, is used so that micropores generated by vaporization are left in the thin layer, resulting in a microporous layer. The particulate material provided on the ink-permeable layer ensures excellent ink fixing property and smooth feeding when the recording material is used on a printer, and may be, for example, anhydrous silicon dioxide.

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